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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	١٠.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/777,108	02/05/2001	Poong Hyun Seong		10061-025US (PO2000-027US	3943
570	7590 05/03/2004			EXAMI	NER
AKIN GUMP STRAUSS HAUER & FELD L.L.P. ONE COMMERCE SOUARE				JARRETT, RYAN A	
	T STREET, SUITE 220	0		ART UNIT	PAPER NUMBER
	HIA, PA 19103-7013	. * *		2125	14
				DATE MAIL ED: 05/02/2004	//

Please find below and/or attached an Office communication concerning this application or proceeding.

•	Application No.	Applicant(s)					
Δ.	09/777,108	SEONG ET AL.					
Office Action Summary	Examiner	Art Unit					
	Ryan A. Jarrett	2125					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 02 Ap	oril 2004.						
_							
3) Since this application is in condition for allowan							
Disposition of Claims							
4) ☐ Claim(s) 1.5 and 7 is/are pending in the applica 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1.5 and 7 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers  9) ☐ The specification is objected to by the Examiner 10) ☐ The drawing(s) filed on is/are: a) ☐ access applicant may not request that any objection to the or	vn from consideration.  election requirement.  epted or b) □ objected to by the Edrawing(s) be held in abeyance. See	37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119		••					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
Attachment(s)	_						
1) Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  1) Interview Summary (PTO-413)  Paper No(s)/Mail Date							
Notice of Draftsperson's Patent Drawing Review (PTO-948)   Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)   Paper No(s)/Mail Date		atent Application (PTO-152)					

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## DETAILED ACTION

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 5, and 7 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Keats U.S. Patent No. 4,422,140. Keats discloses a plant protection system in a nuclear power plant, comprising: a test generating computer (TGC) for generating a test input for self-diagnosis, said test input being inserted between actual safety parameters as a test parameter and a test signal position bit indication position information of the test input (e.g., Fig. 2, col. 1 lines 19-40, col. 4 lines 1-47, col. 6 line 62 – col. 7 line 6, col. 7 lines 47-57);

a trip algorithm computer (TAC) for receiving the safety parameters via a plurality of measuring channels which are physically and electrically isolated from each other and then comparing the safety parameters with predetermined limit values of the safety parameters to determine a trip state of the safety parameters, if there is a test input by said TGC (e.g., Fig. 1a #15);

a voting algorithm computer (VAC) for receiving a trip sate of each of the safety parameters determined by said TAC in each of the channels, determining a final state of each of the safety parameters and then outputting the result (e.g., Fig. 1b #19);

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and a pattern recognition computer (PRC) for expecting a signal pattern to be input from said VAC based on the test signal position bit which is input through the VAC from the TGC, comparing the signal pattern on a one to one basis with the result determined by said VAC, and then if the signal pattern and the result are not consistent,

determining to trip the reactor (e.g., Fig. 1b #20, col. 1 lines 19-64).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

Keats U.S. Patent No. 4,639,882

Cook U.S. Patent No. 4,434132

4. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Ryan A. Jarrett whose telephone number is (703) 308-

4739. The examiner can normally be reached on 10:00-6:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Leo Picard can be reached on (703) 308-0538. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ryan A. Jarrett Examiner Art Unit 2125

4/26/04

LEO PICARD SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2100

L. P. P.